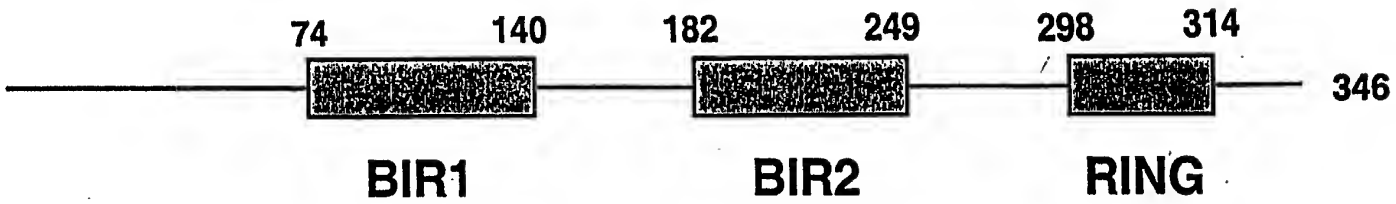
SUBSTITUTE SHEET (RULE 26)

A



B

MELTKVAKNGAAATLVMLKNARDAKMRPFIGPLMLSSCESSTTSTLPSPSSSADKTDNHDTFNFLPDMPDMRREEERLKTFDQWPVTFLTPEQLA
RNGFYYLGRGDEVCCAFCKVEIMRWVEGDDPAADHRRWAPQCPFVRKQMYANAGGEATAVGRDECGASAATQPPRMPGPVHARYSTEAARL
ATFKDWPRRMRQKPEELAEAGFFYTGQGDKTKCFYCDGGLKDWESDDVPWEQHARWFDRCAYVQLVKGRDYIQKVKSEATAISASEEEQ
AATNDSTKNVAQEGEKHLDDSKICKICYSEERNVCFVPCGHVVACAKCALSTDKCPMCRRTFTNAVRLYFS*

C

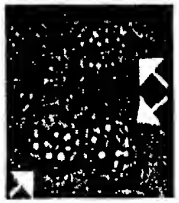
BmIAP-BIR1	74	EEERLKTFDQWPVTFLTPEQLARNGFYYLGRGDEVCCAFCKVEIMRWVEGDDPAADHRRWAPQCPFV
SfIAP-BIR1	100	EDERMKTFEKWPVSFLSGEQLARNGFYYLGRRDEARCAFCKVEIMRWVEGDDPAKDHQRWAPQCPFV
TnIAP-BIR1	100	EDERIKTFEKWPVSFLSGEQLARNGFYYLGRGDEVRCAFCKVEIMRWVEGDDPAKDHQRWAPQCPFV
CpIAP-BIR1	7	EDVRLNTFEKWPVSFLSPETMAKNGFYYLGRSDEVRCAFCKVEIMRWKEGEDPAADHKKWAPQCPFV
OpIAP-BIR1	18	KAARLGTYTNWPVQFLEPSRMAASGFYYLGRGDEVRCAFCKVEITNWVRGDDPETDHKRWAPQCPFV
DIAP1-BIR1	44	EETRLKTFTDWPLDWLDKRQLAQTGMYFTHAGDKVKCFFCGVEIGCWEQEDQPVPEHQRWSPNCPLL

D

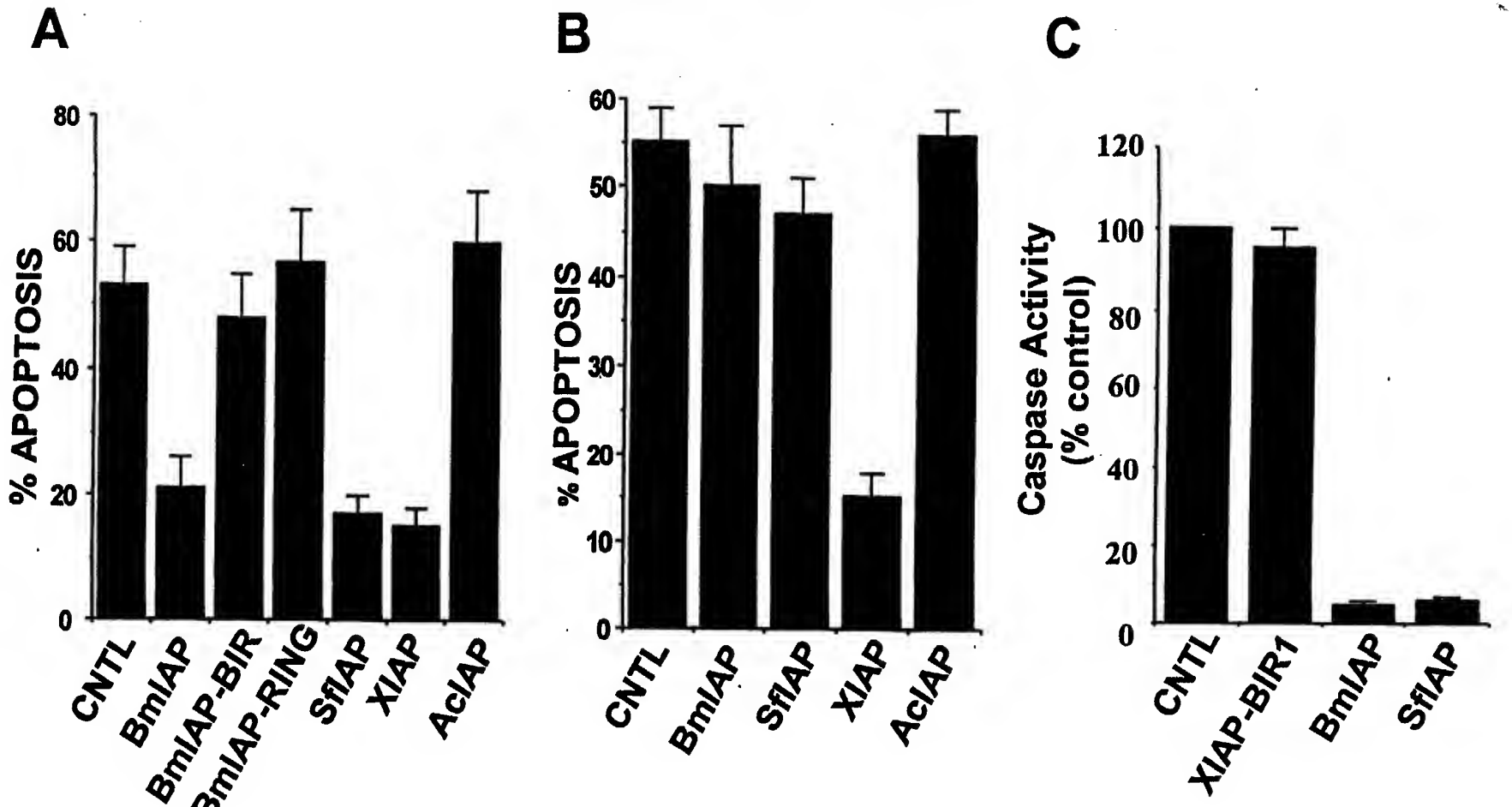
BmIAP-BIR2	182	EAARLATFKDWPRRMRQKPEELAEAGFFYTGQGDKTKCFYCDGGLKDWESDDVPWEQHARWFDRCAYV
SfIAP-BIR2	210	EAARLRSFKDWPRCMRQKPEELAEAGFFYTGQGDKTKCFYCDGGLKDWENHDVPWEQHARWFDRCAYV
TnIAP-BIR2	209	EAARLRSFKDWPRCMRQKPEELAEAGFFYTGQGDKTKCFYCDGGLKDWENDDVPWEQHARWFDRCAYV
CpIAP-BIR2	108	EAARVKSFHNWPRCMKQRPEQMADAGFFYTGYGDNTKCFYCDGGLKDWEPEDVPWEQHVRWFDRCAYV
OpIAP-BIR2	121	EAARLRTFAEWPRGLKQRPEELAEAGFFYTGQGDKTRCFCCDGGLKDWEPDDAPWQQHARWYDRCEYV
DIAP1-BIR2	226	ETARLRTFEAWPRNLKQKPHQLAEAGFFYTGVGDRVRCFSCGGGLMDWNDNDEPWEQHALWLSQCRFV

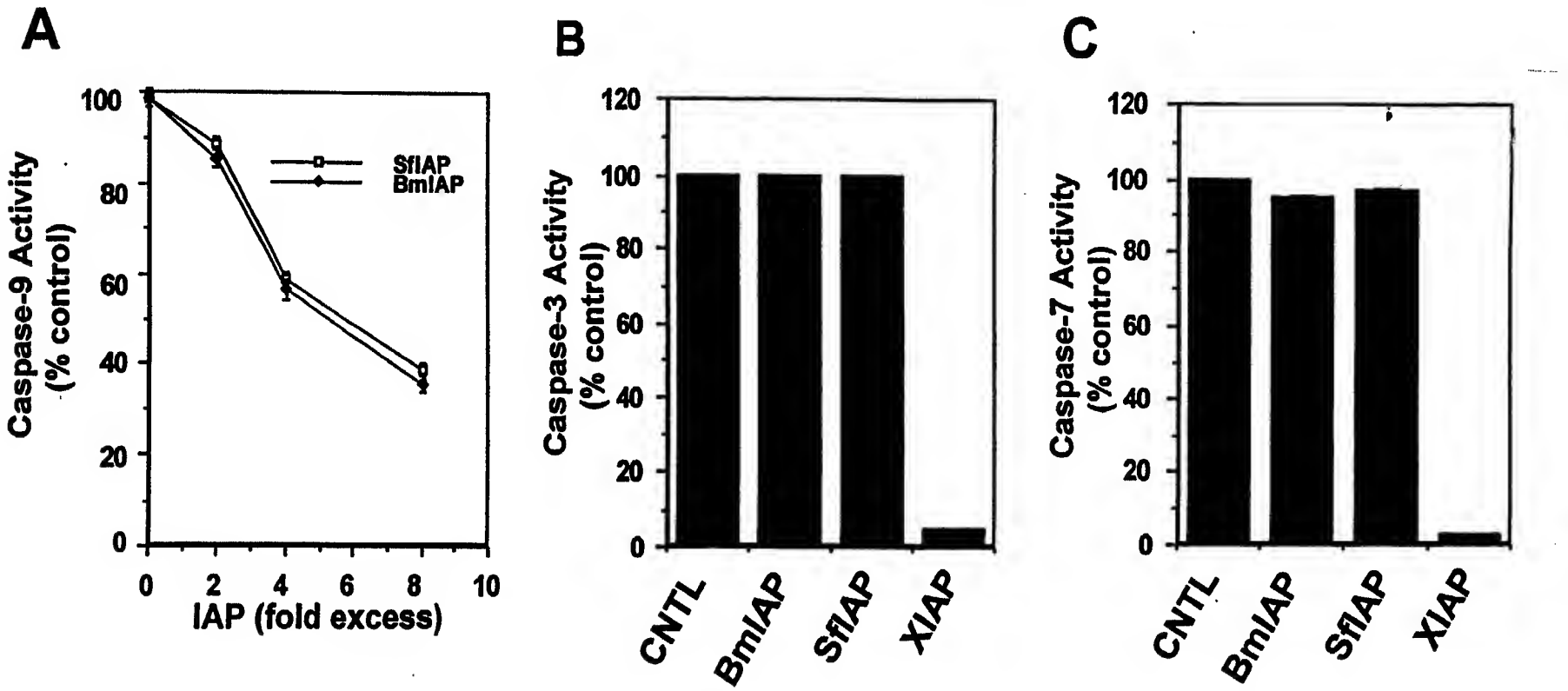
E

BmIAP-RING	298	ICKICYSEERNVCFVPCGHVVACAKCALSTDKCPMCR
SfIAP-RING	329	LCKICYAEERNVCFVPCGHVVACAKCALAADKCPMCR
TnIAP-RING	331	LCKICFAEERNVCFVPCGHVVACAKCALAADKCPMCR
CpIAP-RING	227	LCKICYVEECIVCFVPCGHVVACAKCALSVDKCPMCR
OpIAP-RING	220	LCKICLGAEKTVCFVPCGHVVACGKCAAGVTTCPVCR
DIAP1-RING	390	LCKICYGAEYNTAFLPCGHVVACAKCASSVTKCPLCR

		Occlusion body formation
A	BmIAP	+
B	BmIAP-BIR	--
C	BmIAP-RING	--
D	 SfIAP	+
E	AcIAP	--
F	mock transfection	N/A

SUBSTITUTE SHEET




A
Caspase-9 Activity (% control)
100
80
60
40
20
0
0
2
4
6
8
10
IAP (fold excess)
SfIAP
BmIAP
B
Caspase-3 Activity (% control)
120
100
80
60
40
20
0
CNTL
BmIAP
SfIAP
XIAP
C
Caspase-7 Activity (% control)
120
100
80
60
40
20
0
CNTL
BmIAP
SfIAP
XIAP